Producció científica de l'ETSEIB a Futur

Articles publicats per investigadors de l'ETSEIB l'any 2017

Biblioteca ETSEIB Escola Tècnica Superior d'Enginyeria Industrial de Barcelona

Sumari

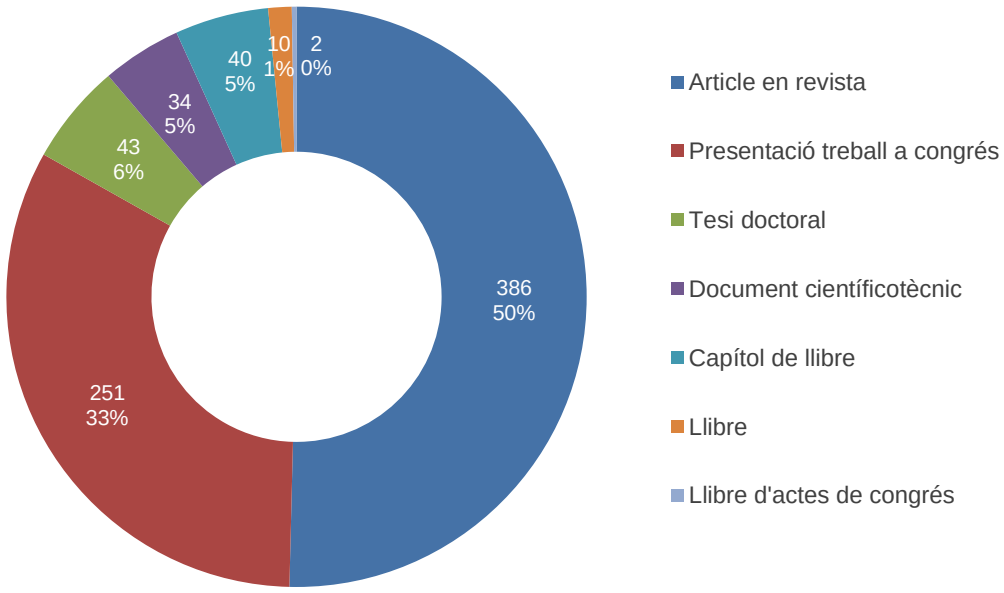
Introducció

Aquest informe recull els 386 articles publicats pel personal docent i investigador de l'Escola Tècnica Superior d'Enginyeria Industrial de Barcelona (ETSEIB) durant l'any 2017 i introduïts a DRAC (Descriptor de la Recerca Acadèmica).

La metodologia ha consistit en l'extracció de Futur de la producció científica de tot el PDI adscrit a l'ETSEIB, limitant la cerca a l'any 2017 i als articles de revista. Aquesta extracció es va fer el dia 07.05.2017, per tant, si s'han entrat articles a posteriori, no s'han inclòs a l'informe.

Per a l'elaboració de l'informe, les referències dels 386 articles s'han cercat a la base de dades Web of Science, i els resultats obtinguts han estat tractats amb un gestor de referències (Mendeley Premium) per a la presentació de la bibliografia. Finalment, per a cada autor de l'ETSEIB s'ha afegit un enllaç a la fitxa de l'investigador al portal Futur i per a cada article s'ha afegit, sempre que ha estat possible, un enllaç directe a l'article.

En el moment d'extreure les dades, s'havien introduït a DRAC un total de 766 activitats de l'any 2017 corresponents al PDI adscrit a l'ETSEIB. D'aquestes, 386 corresponen a articles de revista, i la resta a d'altres activitats tal i com es pot veure al següent gràfic:



Dels 386 articles, 290 han estat publicats en revistes indexades a Web of Science, el que suposa un 75% del total d'articles publicats.

En cas de detectar alguna errada o mancança us podeu posar en contacte amb la biblioteca.etseib@upc.edu.

Articles

Aquest apartat recull els 386 articles publicats pel personal docent i investigador de l'ETSEIB durant l'any 2017 i introduïts a DRAC.

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Revista internacional de métodos numéricos para cálculo y diseño en ingeniería 145
Índex d'impacte 0.369 **4t quartil**
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Scientific reports 35
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Revistes amb més impacte

En aquest apartat hi ha les revistes que es troben dins les cinc primeres del seu grup, i de cada revista, s'indica els articles que han estat publicats per investigadors de l'ETSEIB.

Acta biomaterialia (Lloc en el rànquing: **4 de 78**)

H. Oliveira, S. Catros, O. Castaño, S. Rey, R. Siadous, D. Clift, J. Martí-Muñoz, M. Batista, R. Bareille, J. A. Planell, E. Engel, and J. Amedee, "The proangiogenic potential of a novel calcium releasing composite biomaterial: Orthotopic in vivo evaluation," *Acta Biomater.*, vol. 54, pp. 377–385, 2017

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J. Sanchez-Espigares, P. Grima, and L. Marco-Almagro, "Visualizing type II error in normality tests," *Am. Stat*., vol. 72, no. 2, pp. 158-162, 2017

Applied energy (Lloc en el rànquing: **4 de 137**)

M. Raza, C. Collados, and O. Gomis-Bellmunt, "Reactive power management in an offshore AC network having multiple voltage source converters," *Appl. Energy*, vol. 206, pp. 793–803, Nov. 2017

A. Nadal, P. Llorach, E. Cuerva, E. López-Capel, J. Montero, A. Josa, J. Rieradevall, and M. Royapoor, "Building-integrated rooftop greenhouses: an energy and environmental assessment in the mediterranean context," *Appl. Energy*, vol. 187, pp. 338–351, Feb. 2017

Communications in nonlinear science and numeriacal simulationpplied energy (Lloc en el rànquing: **2 de 55**)

C. Bonet, T. Martinez-seara, E. Fossas, and M. Jeffrey, "A unified approach to explain contrary effects of hysteresis and smoothing in nonsmooth systems," *Commun. nonlinear Sci. Numer. Simul.*, vol. 50, pp. 142–168, 2017

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I. Isarn, L. Massagués, X. Ramis, M. À. Serra, and F. Ferrando, “New BN-epoxy composites obtained by thermal latent cationic curing with enhanced thermal conductivity,” *Compos. Part A. Appl. Sci. Manuf.*, vol. 103, pp. 35–47, 2017

Energy (Lloc en el rànquing: **2 de 59**)

J. I. Linares, A. Cantizano González, E. Arenas, B. Moratilla, V. Martin, and L. Batet, “Recuperated versus single-recuperator re-compressed supercritical CO2 Brayton power cycles for DEMO fusion reactor based on dual coolant lithium lead blanket,” *Energy*, vol. 140, no. Part 1, pp. 307–317, 2017

P. Arranz, F. Kemausuor, A. Addo, and E. Velo, “Electricity generation prospects from clustered smallholder and irrigated rice farms in Ghana,” *Energy*, vol. 121, pp. 246–255, Feb. 2017

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L. Aresté and J. Haro, “Quintessential inflation at low reheating temperatures,” *Eur. Phys. J. C*, vol. 77, no. 11, pp. 1–16, Nov. 2017

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M. Castilla, A. Camacho, P. Marti, M. Velasco, and G. Mohammad, “Impact of clock drifts on communication-free secondary control schemes for inverter-based islanded microgrids,” *IEEE Trans. Ind. Electron.*, vol. PP, no. 9, pp. 1–11, Nov. 2017

J. Luna, E. Usai, A. Husar, and M. Serra, “Enhancing the efficiency and lifetime of a proton exchange membrane fuel cell using nonlinear model-predictive control with nonlinear observation,” *IEEE Trans. Ind. Electron.*, vol. 64, no. 8, pp. 6649–6659, 2017

J. Rey, P. Marti, M. Velasco, J. Miret, and M. Castilla, “Secondary switched control with no communications for islanded microgrids,” *IEEE Trans. Ind. Electron.*, vol. 64, no. 11, pp. 8534–8545, 2017

M. Schaefer, W. Goetze, M. Hofmann, F. Bayer, D. Montesinos-Miracle, and A. Ackva, “Direct current control for grid-connected diode-clamped inverters,” *IEEE Trans. Ind. Electron.*, vol. 64, no. 4, pp. 3067–3074, 2017

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X. Perez-Sala, F. De La Torre, L. Igual, S. Escalera, and C. Angulo, “Subspace procrustes analysis,” *Int. J. Comput. Vis.*, vol. 121, no. 3, pp. 327–343, Feb. 2017

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F. Xu, S. Olaru, V. Puig, C. A. Ocampo-Martinez, and S. Niculescu, “Sensor-fault tolerance using robust MPC with set-based state estimation and active fault isolation,” *Int. J. robust nonlinear Control*, vol. 27, no. 8, pp. 1260–1283, 2017

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M. Carignano, R. Costa-Castelló, V. Roda, N. Nigro, S. Junco, and D. Feroldi, “Energy management strategy for fuel cell-supercapacitor hybrid vehicles based on prediction of energy demand,” *J. Power Sources*, vol. 360, pp. 419–433, 2017